

FIG.1 Circuits of HRPD Config. 1

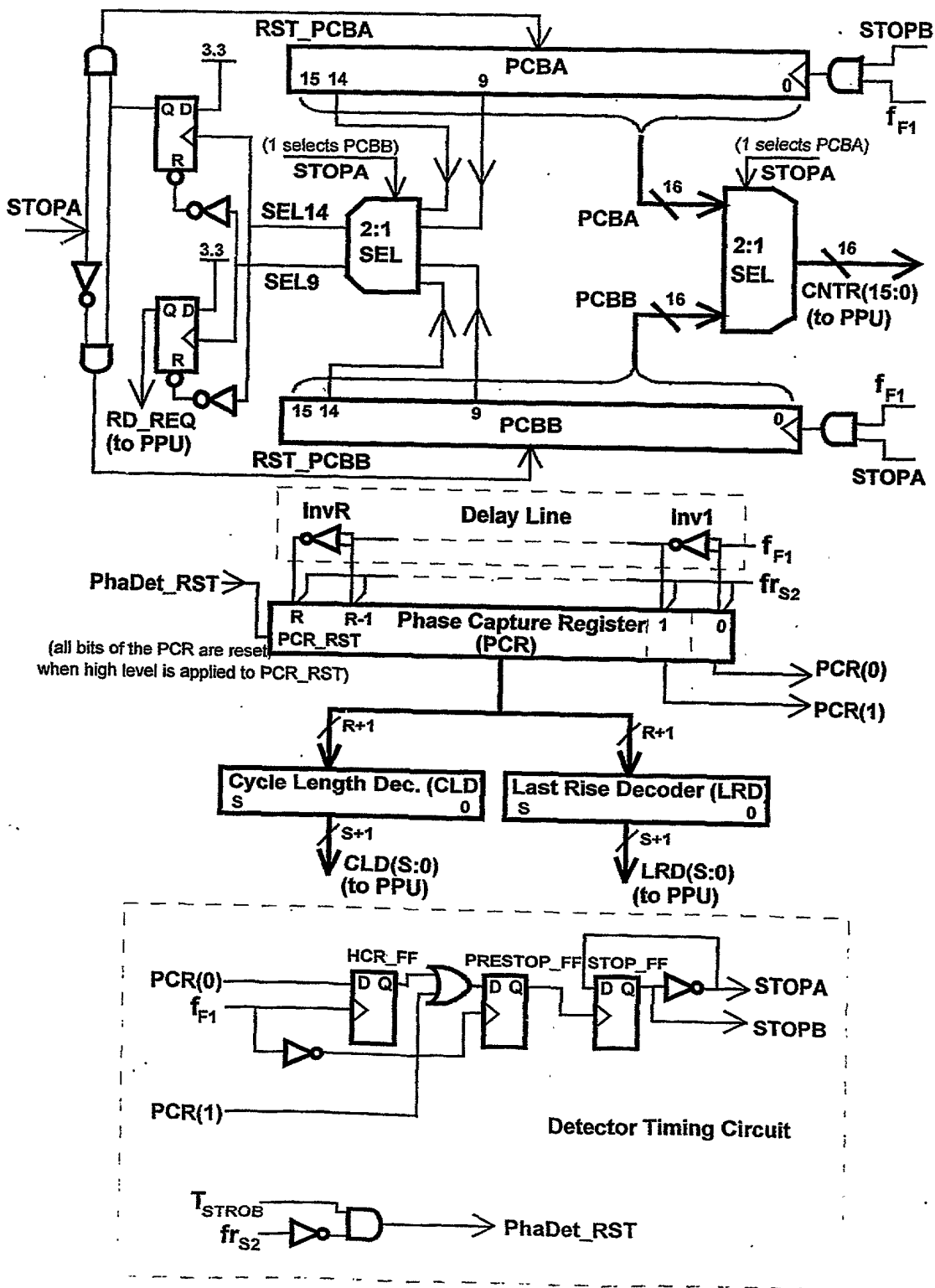
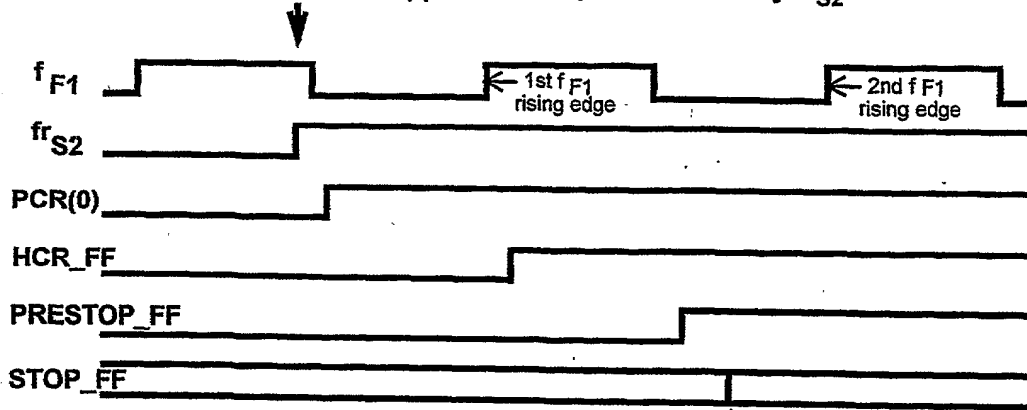


FIG.2 Timing Analysis of HRPD Config.1

For PCR(0)=1:

This arrow indicates fr_{S2} appearance versus f_{F1} wave.
The left side of the f_{F1} wave is captured in PCR by fr_{S2} .



For PCR(1)=1:

This arrow indicates fr_{S2} appearance versus f_{F1} wave.
The left side of the f_{F1} wave is captured in PCR by fr_{S2} .

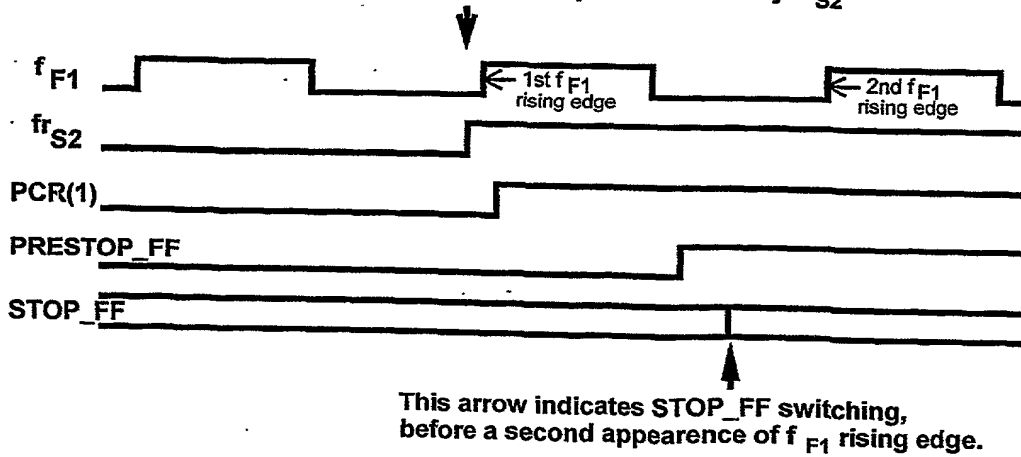


Fig.3 High Resolution Extension of the HRPD Config.2

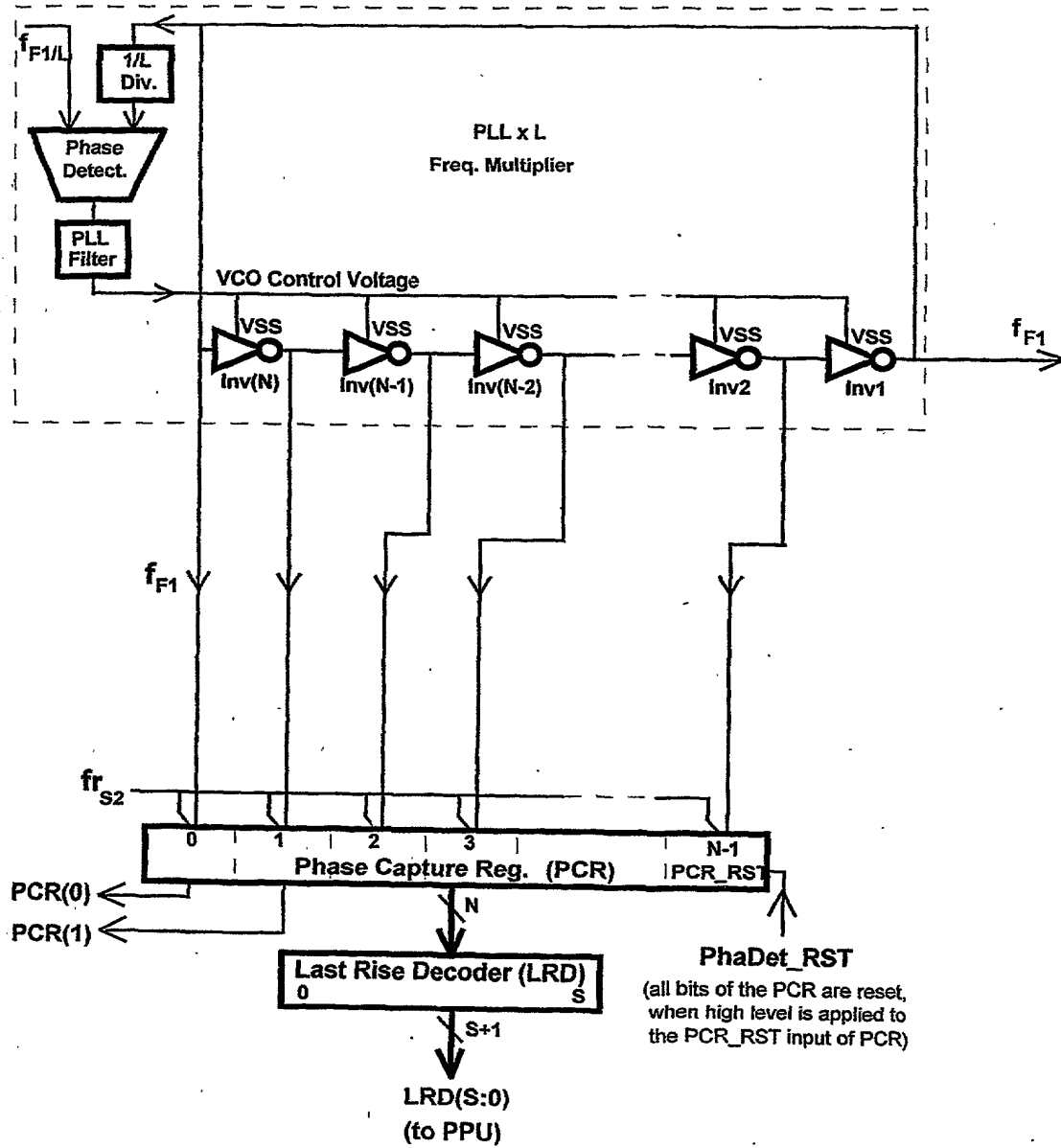


Fig.4 High Resolution Extension of the HRPD Config.3

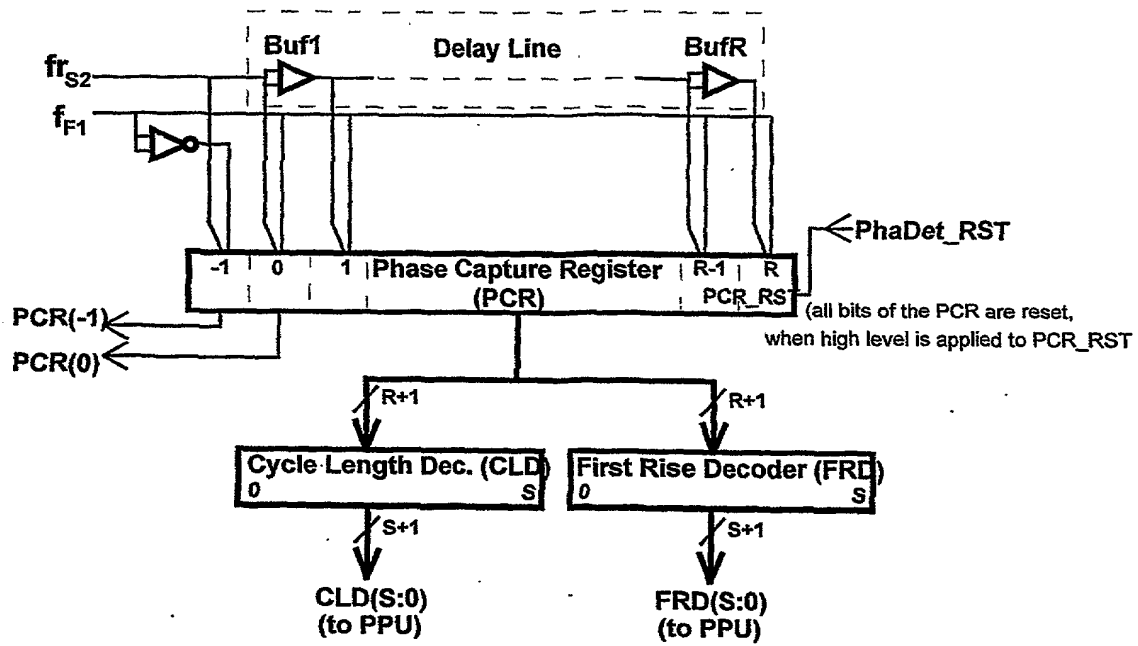


Fig.5 Detector Timing Circuit of the HRPD Config.3

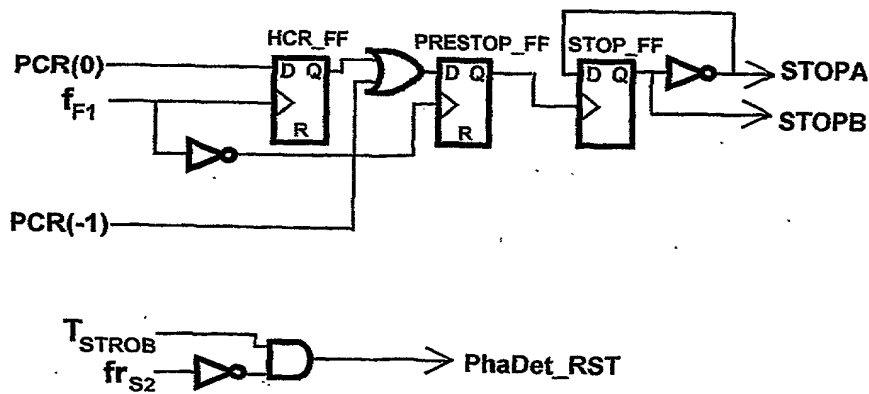
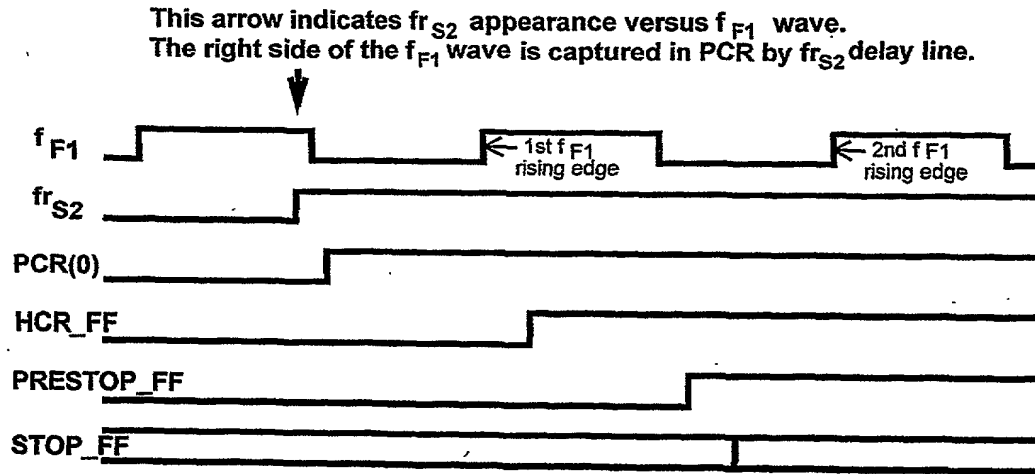


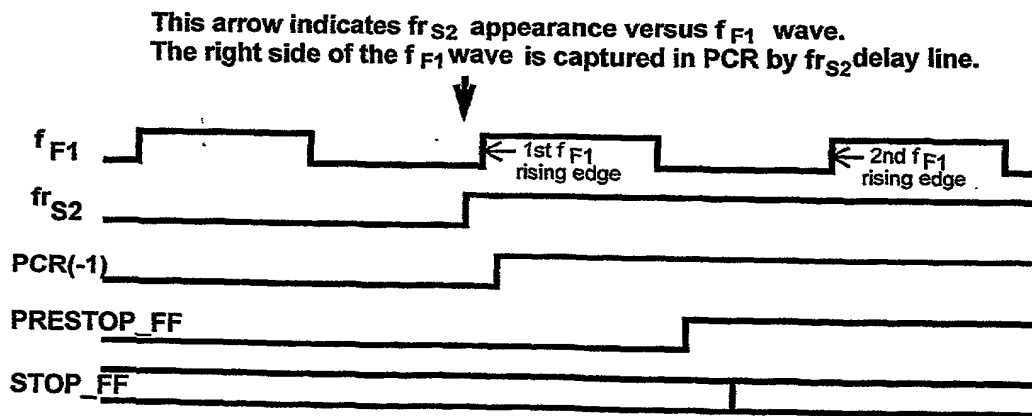
FIG.6 Timing Analysis of the HRPD Config.3

For PCR(0)=1:



This arrow indicates STOP_FF switching,
before a second appearance of f_{F1} rising edge.

For PCR(-1)=1:



This arrow indicates STOP_FF switching,
before a second appearance of f_{F1} rising edge.

Fig.7 High Resolution Extension of the HRPD Config.4

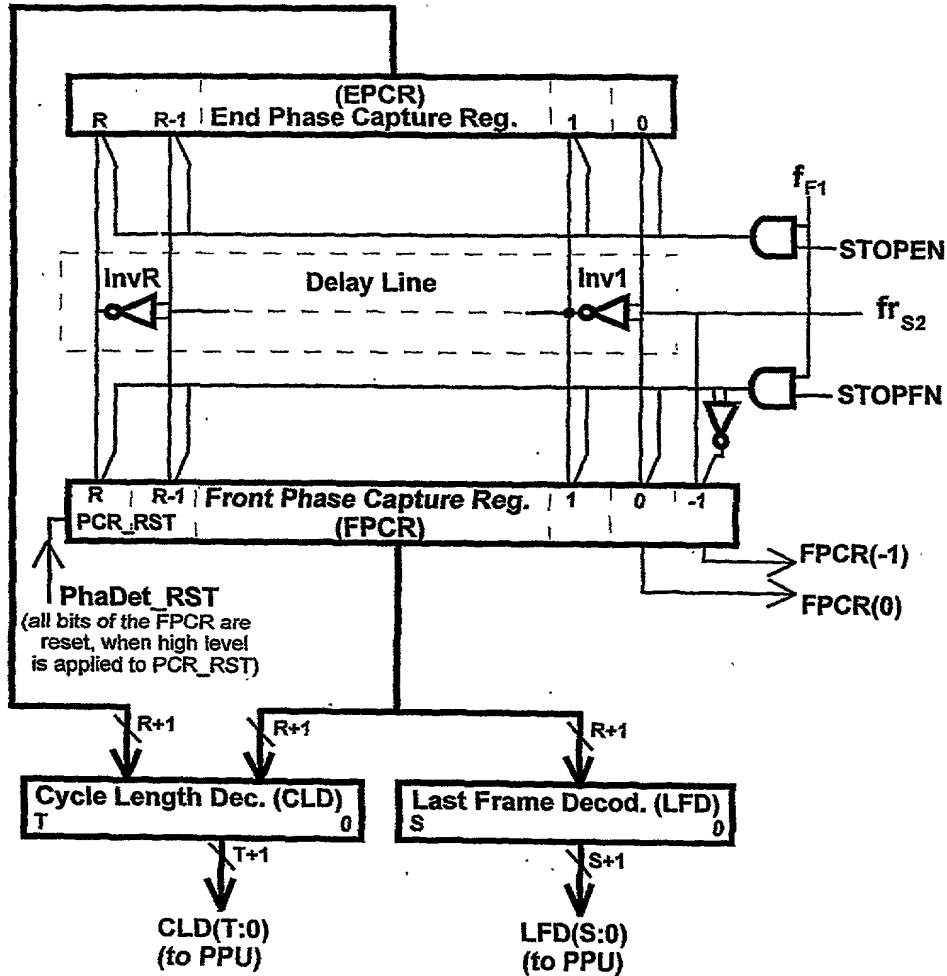


Fig.8 Detector Timing Circuit of the HRPD Config.4

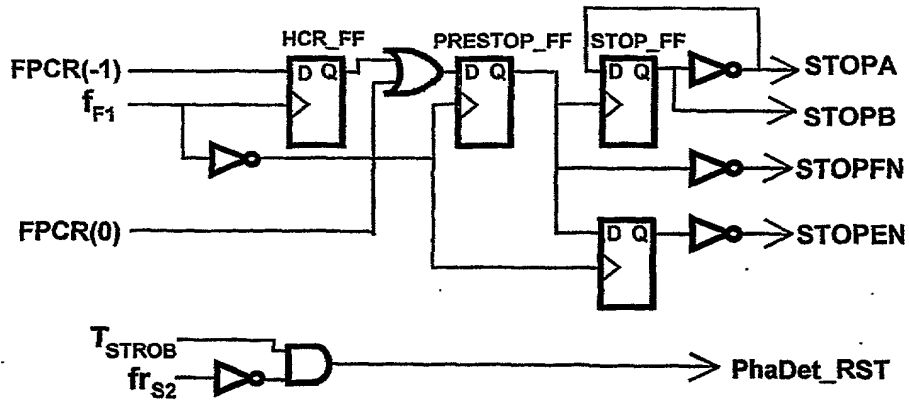
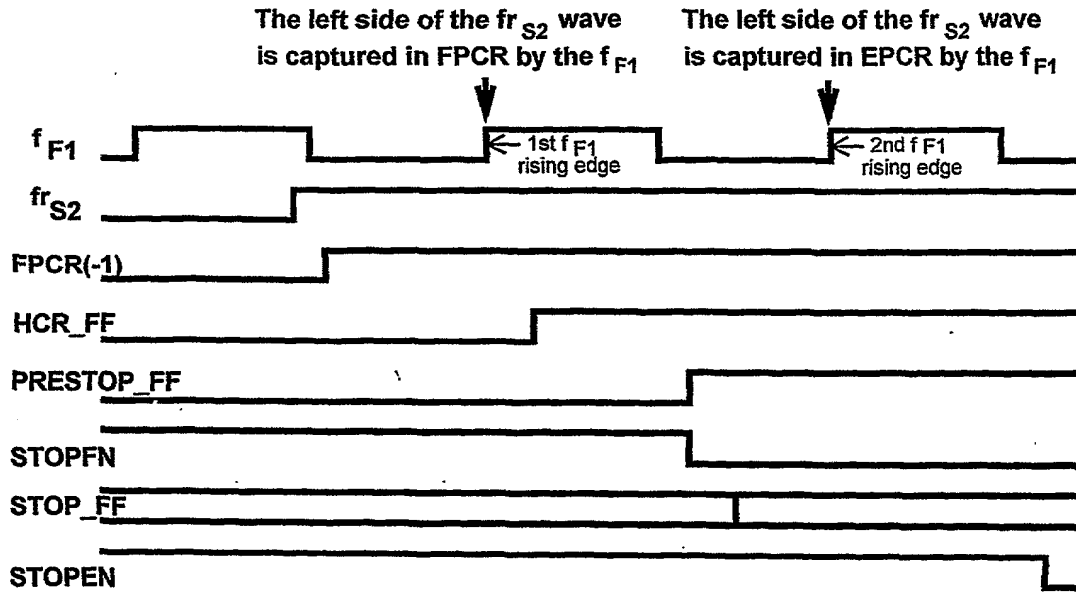


FIG.9 Timing Analysis of the HRPD Config.4

For FPCR(-1)=1:



For FPCR(0)=1:

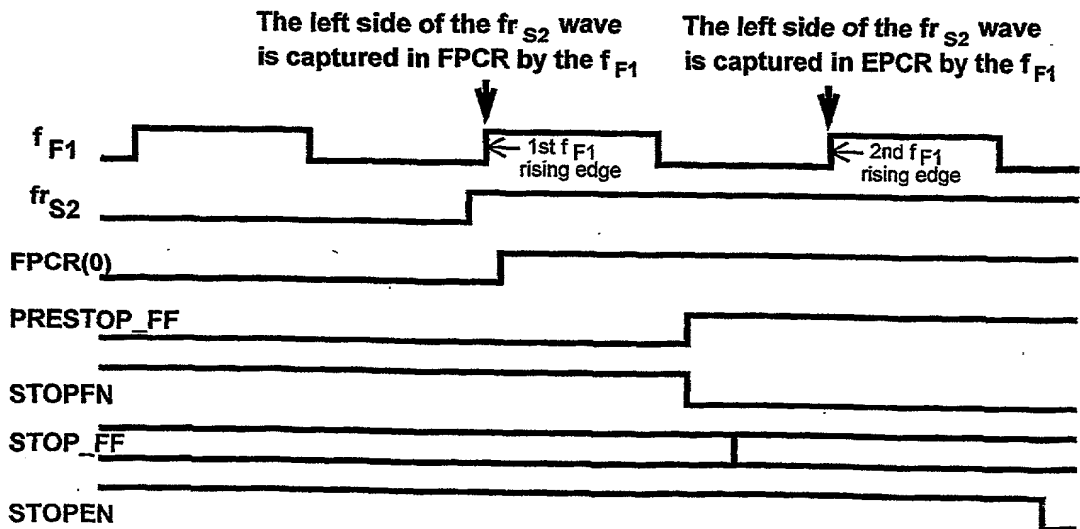


Fig.10 High Resolution Extension of the HRPD Config.5

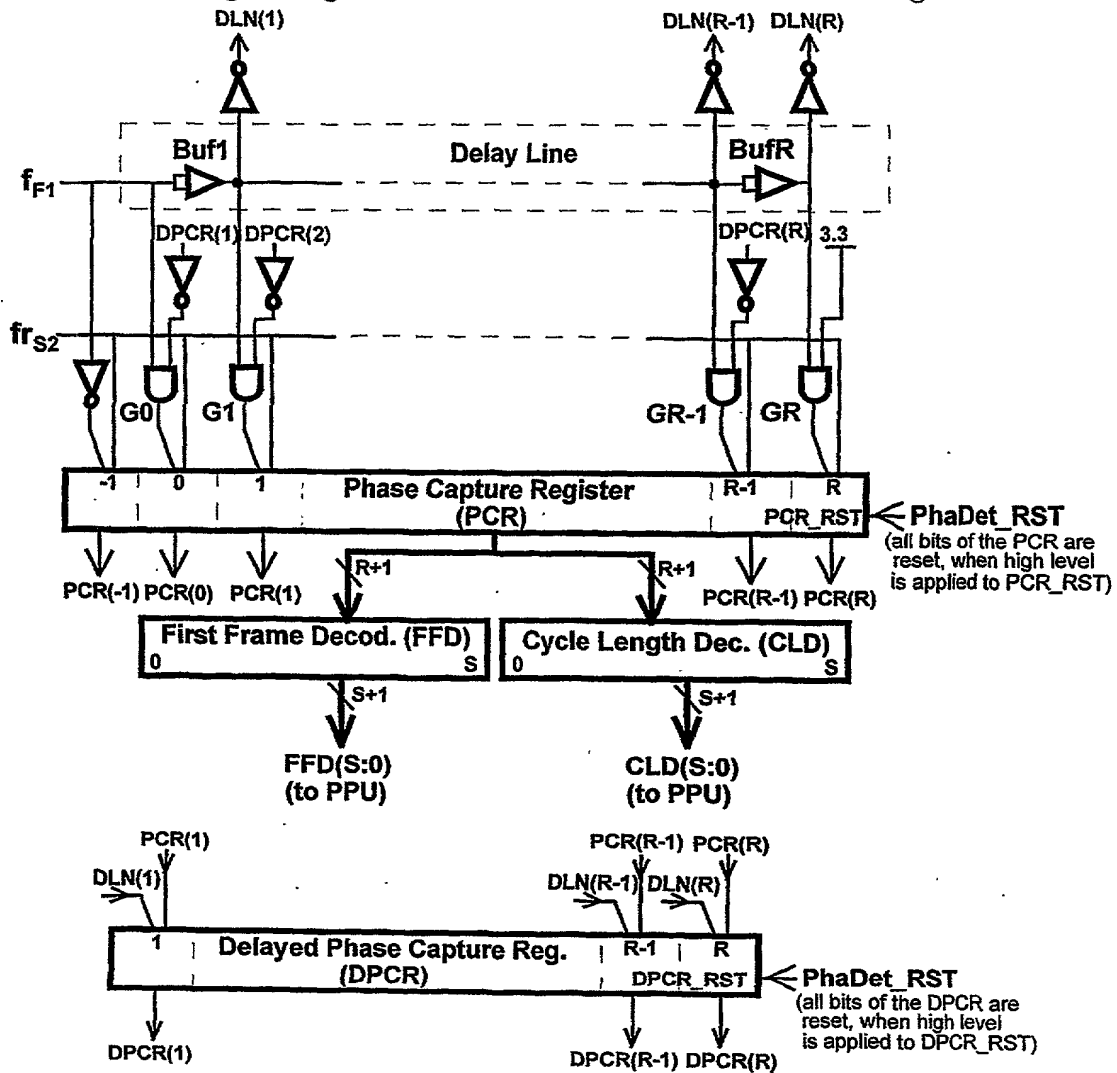


Fig.11 Detector Timing Circuit of the HRPD Config.5

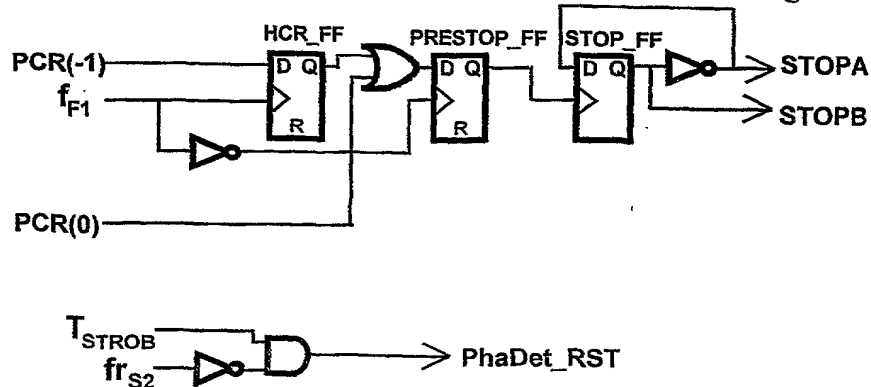
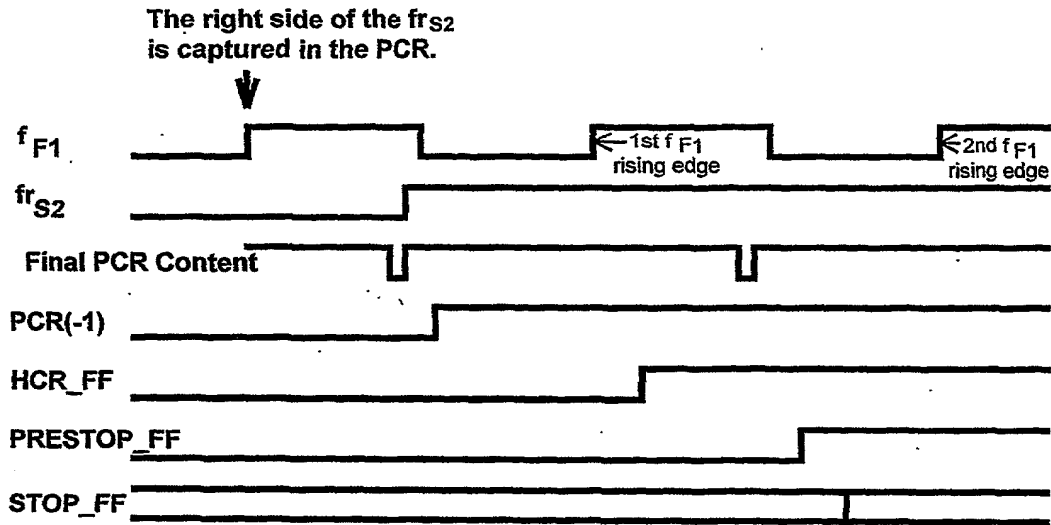


FIG.12 Timing Analysis of the HRPD Config.5

For PCR(-1)=1:



For PCR(0)=1:

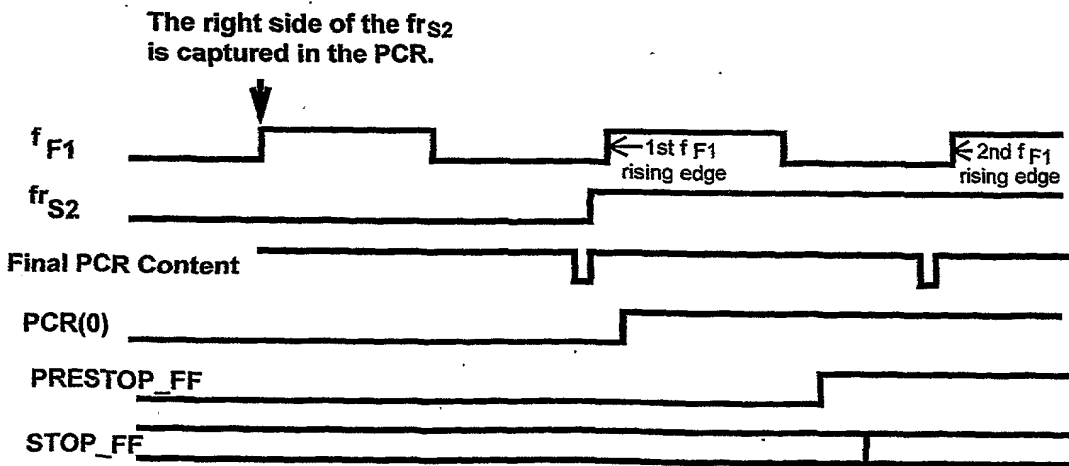


Fig.13 High Resolution Extension of the HRPD Config.6

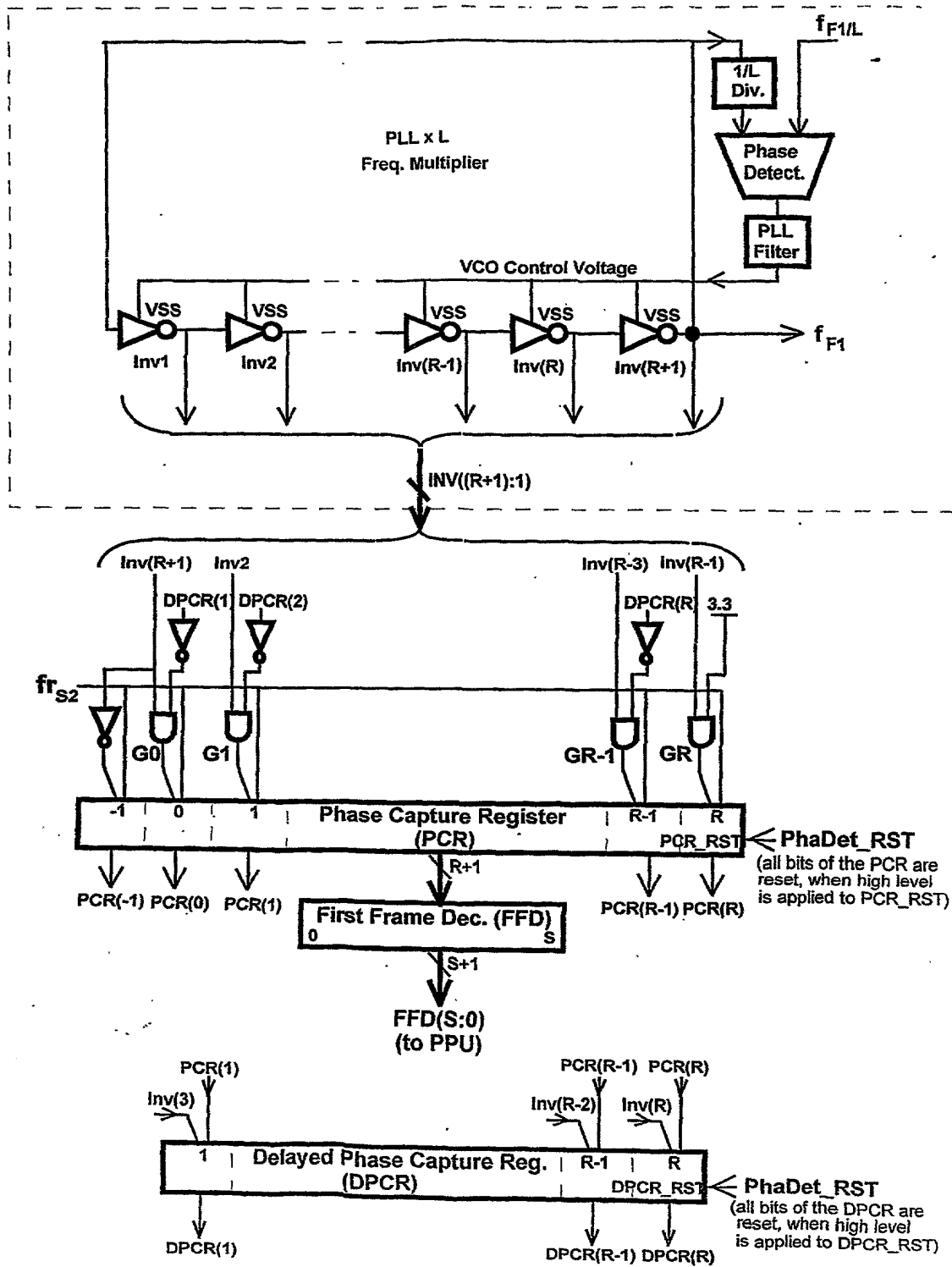
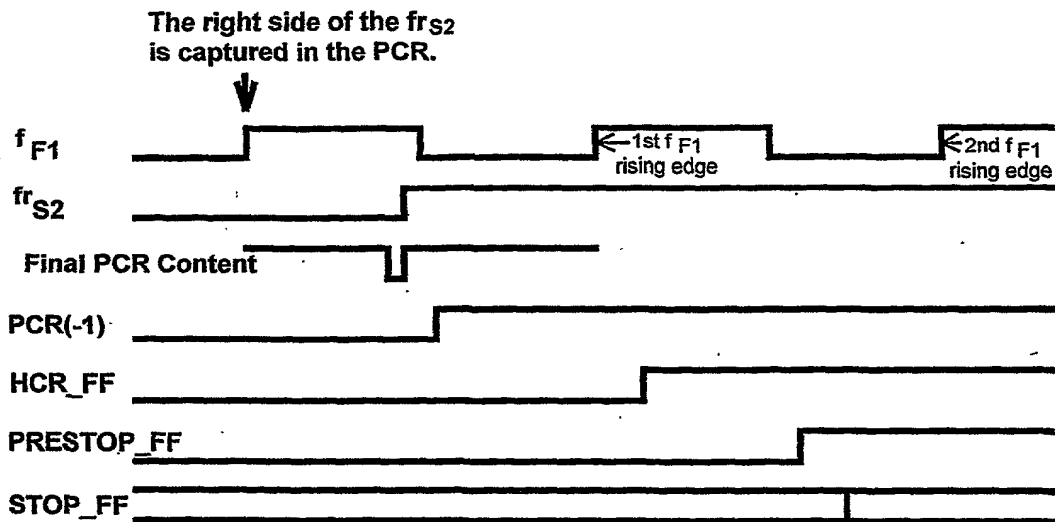


FIG.14 Timing Analysis of the HRPD Config.6

For PCR(-1)=1:



For PCR(0)=1:

